

Work Order ID 135086

Tuesday, July 28, 2015 3:28:42 PM

047.1701
B135086
REV. D

135086

Page 1

Item ID: 647.1701

Revision ID: -

Item Name: Skid Deflector Assembly

Start Date: 7/28/15 Start Qty: 6.00

Required Date: 8/12/15 Req'd Qty: 6.00

Reference:

Accept

N900040100

Setup Start *NS1*

Stop *NS2*

Cust Item ID:

Customer:

Approvals:

Process Plan: 

Date: 5.7.28

Tooling:

Date:

Run Start *NR1*

QC:

Date:

SPC (Y/N):

Date:

Stop *NR2*

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
--------------------------------	--------------------------	----------------------	---------	--------	--------------	---------------	---------------	------------------	----------------

Draw Nbr	Revision Nbr
647.1700	D

110

Pick Kit

0.00

110

Packaging

Memo

0.00

Packaging

120

0.00

120

Small Fab

Memo

0.06

Small Fab

1- Assemble item 4,6,7 and 8 as per dwg.

2- Clamp item 1 and 2 to item 3. Transfer drill holes as per dwg see note 6. Use clecos.

3- Disassemble parts

4- Deburr

5- Touch up expose aluminum with alodine

6- Re-assemble as per dwg

6x 15/08/05 DAS 36 9-89
6x 15/08/06 DAS 36 9-89

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____	DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐	AGAINST DEPARTMENT/PROCESS <table style="width: 100%; border: none;"> <tr> <td style="border: none;">Skid-tube ☐</td> <td style="border: none;">Cross tube ☐</td> <td style="border: none;">Water Jet ☐</td> <td style="border: none;">Engineering ☐</td> </tr> <tr> <td style="border: none;">Machining ☐</td> <td style="border: none;">Small Fab ☐</td> <td style="border: none;">Prod. Eng. Coord. ☐</td> <td style="border: none;">Quality ☐</td> </tr> <tr> <td style="border: none;">Thermoforming ☐</td> <td style="border: none;">Finishing ☐</td> <td style="border: none;">Rec/Store/Packaging ☐</td> <td style="border: none;">Other ☐</td> </tr> <tr> <td style="border: none;">Large Fab ☐</td> <td style="border: none;">Composite ☐</td> <td style="border: none;">Supplier ☐</td> <td></td> </tr> </table>				Skid-tube ☐	Cross tube ☐	Water Jet ☐	Engineering ☐	Machining ☐	Small Fab ☐	Prod. Eng. Coord. ☐	Quality ☐	Thermoforming ☐	Finishing ☐	Rec/Store/Packaging ☐	Other ☐	Large Fab ☐	Composite ☐	Supplier ☐																																																										
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Reference:

Approvals: **Process Plan:** _____ **Date:** _____ **Tooling:** _____ **Date:** _____ **Run** **Start** ***NR1***
 QC: _____ **Date:** _____ **SPC (Y/N):** _____ **Date:** _____ **Stop** ***NR2***

[illegible]

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____		DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐		AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐					
Date :		Step #:		QTY Effective :			MRB (QSI042) Approval		
Description Work Order Deviation				Disposition				Completed By	
								Lead hand / Supervisor Approval Verification	
								QC / QA Coordinator Approval	
Root Cause		FAULT CATEGORY							
Environment ☐	No Re-verification ☐	Pressure/Forced ☐	Temperature/Cure ☐	Power Loss/Surge ☐	Positioned Wrong ☐				
Design ☐	Operator ☐	Bending ☐	Set-up ☐	Folio/Program ☐	Outside Dimensions ☐				
Doc/Data ☐	Offset/Setup ☐	Centre Not Concentric ☐	BOM/Route ☐	Grain ☐	Over/Under tolerance ☐				
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Past Expiry Date ☐	Manufacturing Process ☐	OTHER :							
Misidentified ☐	Past Due ☐								

Work Order ID 135086***135086***

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Item ID: 647.1701 Accept ***N900040100*** Setup Start ***NS1***
Revision ID: Stop ***NS2***
Item Name: Skid Deflector Assembly
Start Date: 7/28/15 Start Qty: 6.00 ***6*** Cust Item ID:
Required Date: 8/12/15 Req'd Qty: 6.00 ***6*** Customer:
Reference:

Approvals: Process Plan: _____ Date: _____ Tooling: _____ Date: _____ Run Start ***NR1***
QC: _____ Date: _____ SPC (Y/N): _____ Date: _____ Stop ***NR2***

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
210	Identify as per dwg & Stock Location: <u>CC1C044</u>	0.00							
210									
Packaging	Memo	0.00							
Packaging	***IDENTIFY AS PER APICAL MPP-120 BY STAMPING P# AND REV***								
220	QC21- Final Inspection - Work Order Release	0.00							
220									
QC	Memo	0.01							
Quality Control									

⑥ JA AUG 14 2015 DAS 20 9-89

MLJ AUG 17 2015

MLJ AUG 17 2015

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____	DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐	AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐			
Date :	Step #:	QTY Effective :		MRB (QSI042) Approval	
Description Work Order Deviation			Disposition		
			Completed By		
			Lead hand / Supervisor Approval Verification		
			QC / QA Coordinator Approval		
Root Cause		FAULT CATEGORY			
Environment ☐ Design ☐ Doc/Data ☐ Equip/Tooling ☐ Handling/Pre ☐ Material ☐ Internal Transport ☐ Tribal Knowledge ☐ /LOA ☐ Substation ☐ Past Expiry Date ☐ Misidentified ☐	No Re-verification ☐ Operator ☐ Offset/Setup ☐ Supplier ☐ Training ☐ Use for Testing ☐ Poor Information ☐ Rushing ☐ Product Improvement ☐ Process Improvement ☐ Manufacturing Process ☐ Past Due ☐	Pressure/Forced ☐ Bending ☐ Centre Not Concentric ☐ Cracks ☐ Crimp/Kink/Ripple/Wave ☐ Cuffs ☐ Crushing ☐ Heat Treat ☐ Wave/Twist in Tube ☐ Marks/Chatter ☐	Temperature/Cure ☐ Set-up ☐ BOM/Route ☐ Broken/Damage/Defect ☐ Inspection Incomplete/Unqualified ☐ Contamination ☐ Countersink ☐ Cut Too Short ☐ Instructions Incomplete/Unclear ☐ Drill Holes ☐	Power Loss/Surge ☐ Folio/Program ☐ Grain ☐ Weld ☐ Wrong Stock Pulled ☐ Out of Sequence ☐ Off-set ☐ Misabeled ☐ Fit/Function ☐ Misaligned/off center ☐	Positioned Wrong ☐ Outside Dimensions ☐ Over/Under tolerance ☐ Part Incorrect ☐ Part Lost/Missing ☐ Part Moved ☐ Drawing ☐ Finish ☐ Misread ☐ Turning Sequence ☐
OTHER : ☐					

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135086

647 1701

Required Qty: 6.00

Comments: IPP REV:A 12.10.04 NEW ISSUE DD VERF:JFS

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Qty per Kit	Total Qty	Qty Issued	Date Issued	Status
647.1710		Manufactured	No				Each	13.0000		6		15/08/06	DAS 36 9-89
647 1710													
Plate									**				
				<u>Location</u>				<u>Loc Qty</u>		<u>Loc Code</u>			
				MF				13					
					132276			7		6			
					132566			6					
647.1711		Manufactured	No				Each	13.0000		6		15/08/06	DAS 36 9-89
647 1711													
Plate									**				
				<u>Location</u>				<u>Loc Qty</u>		<u>Loc Code</u>			
				MF				13					
					132293			7		6			
					132763			6					
647.1712		Manufactured	No				Each	7.0000		6		15/08/06	DAS 36 9-89
647 1712													
Gusset									**				
				<u>Location</u>				<u>Loc Qty</u>		<u>Loc Code</u>			
				MF				7					
					130445			6		6			
					91800			1					

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____		DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐		AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐					
Date :		Step #:		QTY Effective :				MRB (QS1042) Approval	
Description Work Order Deviation				Disposition				Completed By	
								Lead hand / Supervisor Approval Verification	
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Root Cause		FAULT CATEGORY							
Environment ☐	No Re-verification ☐	Pressure/Forced ☐	Temperature/Cure ☐	Power Loss/Surge ☐	Positioned Wrong ☐				
Design ☐	Operator ☐	Bending ☐	Set-up ☐	Folio/Program ☐	Outside Dimensions ☐				
Doc/Data ☐	Offset/Setup ☐	Centre Not Concentric ☐	BOM/Route ☐	Grain ☐	Over/Under tolerance ☐				
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Handling/Pre ☐	Training ☐	Crimp/Kink/Ripple/Wave ☐	Inspection Incomplete/Unqualified ☐	Wrong Stock Pulled ☐	Part Lost/Missing ☐				
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Substation ☐	Process Improvement ☐	Marks/Chatter ☐	Drill Holes ☐	Misaligned/off center ☐	Turning Sequence ☐				
Past Expiry Date ☐	Manufacturing Process ☐	OTHER :							
Misidentified ☐	Past Due ☐								

Picklist Print

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Work Order ID: 135086

135086

Parent Item: 647.1701

647 1701

Parent Item Name: Skid Deflector Assembly

Start Date: 7/28/15

Required Date: 8/12/15

Start Qty: 6.00

Required Qty: 6.00

647.1713

Manufactured No

Each

60.0000

6

647 1713

Spacer

DAS
36
9-89
15/08/06

Location

Loc Qty

Loc Code

CCK106

40

104845

40

MF

20

91801

1

92561

1

93408

8

99057

10

6

CR3213-4-4

Purchased

No

Each

715.0000

132

CR3213-4-4

Rivet, Cherry

DAS
36
9-89
15/08/06

Location

Loc Qty

Loc Code

CCK004

710

126282

500

M128813

162

M130388

48

ST318

5

M128401

5

M132825
132k

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____		DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐		AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐					
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Equip/Tooling ☐	Supplier ☐	Cracks ☐	Broken/Damage/Defect ☐	Weld ☐	Part Incorrect ☐				
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Substation ☐	Process Improvement ☐	Marks/Chatter ☐	Drill Holes ☐	Misaligned/off center ☐	Turning Sequence ☐				
Past Expiry Date ☐	Manufacturing Process ☐	OTHER : _____							
Misidentified ☐	Past Due ☐								

Picklist Print

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Work Order ID: 135086

135086

Parent Item: 647.1701

647 1701

Parent Item Name: Skid Deflector Assembly

Start Date: 7/28/15

Required Date: 8/12/15

Start Qty: 6.00

Required Qty: 6.00

NAS1149F0332P

Purchased

No

Each

2,084.000

12

NAS1149F0332P

Washer

15/08/06 DAS 36 9-89

Location

Loc Qty

Loc Code

GA

222

122063

222

12

ST260a

1769

m128401

6

m131026

80

m131697

1683

st268

93

123900

7

m130388

86

MS21042-3

MS21042L3

Purchased

No

Each

585.0000

6

MS21042-3

Nut / use MS21042L3

15/08/06 DAS 36 9-89

Location

Loc Qty

Loc Code

CA

501

M129682

501

ST305

84

6931

8

M128770

10

M129541

15

M130388

51

M131317 (6x)

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____		DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐		AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐																																																													
Date :		Step #:		QTY Effective :			MRB (QSI042) Approval																																																										
Description Work Order Deviation				Disposition				Completed By																																																									
								Lead hand / Supervisor Approval Verification																																																									
								QC / QA Coordinator Approval																																																									
Root Cause		FAULT CATEGORY																																																															
Environment ☐	No Re-verification ☐	Pressure/Forced ☐	Temperature/Cure ☐	Power Loss/Surge ☐	Positioned Wrong ☐	Design ☐	Operator ☐	Bending ☐	Set-up ☐	Folio/Program ☐	Outside Dimensions ☐	Doc/Data ☐	Offset/Setup ☐	Centre Not Concentric ☐	BOM/Route ☐	Grain ☐	Over/Under tolerance ☐	Equip/Tooling ☐	Supplier ☐	Cracks ☐	Broken/Damage/Defect ☐	Weld ☐	Part Incorrect ☐	Handling/Pre ☐	Training ☐	Crimp/Kink/Ripple/Wave ☐	Inspection Incomplete/Unqualified ☐	Wrong Stock Pulled ☐	Part Lost/Missing ☐	Material ☐	Use for Testing ☐	Cuffs ☐	Contamination ☐	Out of Sequence ☐	Part Moved ☐	Internal Transport ☐	Poor Information ☐	Crushing ☐	Countersink ☐	Off-set ☐	Drawing ☐	Tribal Knowledge ☐	Rushing ☐	Heat Treat ☐	Cut Too Short ☐	Mislabeled ☐	Finish ☐	LOA ☐	Product Improvement ☐	Wave/Twist in Tube ☐	Instructions Incomplete/Unclear ☐	Fit/Function ☐	Misread ☐	Substation ☐	Process Improvement ☐	Marks/Chatter ☐	Drill Holes ☐	Misaligned/off center ☐	Turning Sequence ☐	Past Expiry Date ☐	Manufacturing Process ☐	OTHER : _____			
Misidentified ☐	Past Due ☐																																																																

Picklist Print

Page 4

Tuesday, July 28, 2015 3:28:49 PM

Work Order ID: 135086

135086

Parent Item: 647.1701

647 1701

Parent Item Name: Skid Deflector Assembly

Start Date: 7/28/15

Required Date: 8/12/15

Start Qty: 6.00

Required Qty: 6.00

MS27039-1-14

Purchased

No

Each

816.0000

6

MS27039-1-14

15/08/06 **DAS**
36
9-89

Screw

Location

Loc Qty

Loc Code

GA	100
120449	100
ST273A	700
124326	700
ST285	16
124326	4
m130388	12

6

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____	DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐	AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐			
Date :	Step #:	QTY Effective :		MRB (QS1042) Approval	
Description Work Order Deviation			Disposition		
			Completed By		
			Lead hand / Supervisor Approval Verification		
			QC / QA Coordinator Approval		
Root Cause		FAULT CATEGORY			
Environment ☐ Design ☐ Doc/Data ☐ Equip/Tooling ☐ Handling/Pre ☐ Material ☐ Internal Transport ☐ Tribal Knowledge ☐ LOA ☐ Substation ☐ Past Expiry Date ☐ Misidentified ☐	No Re-verification ☐ Operator ☐ Offset/Setup ☐ Supplier ☐ Training ☐ Use for Testing ☐ Poor Information ☐ Rushing ☐ Product Improvement ☐ Process Improvement ☐ Manufacturing Process ☐ Past Due ☐	Pressure/Forced ☐ Bending ☐ Centre Not Concentric ☐ Cracks ☐ Crimp/Kink/Ripple/Wave ☐ Cuffs ☐ Crushing ☐ Heat Treat ☐ Wave/Twist in Tube ☐ Marks/Chatter ☐	Temperature/Cure ☐ Set-up ☐ BOM/Route ☐ Broken/Damage/Defect ☐ Inspection Incomplete/Unqualified ☐ Contamination ☐ Countersink ☐ Cut Too Short ☐ Instructions Incomplete/Unclear ☐ Drill Holes ☐	Power Loss/Surge ☐ Folio/Program ☐ Grain ☐ Weld ☐ Wrong Stock Pulled ☐ Out of Sequence ☐ Off-set ☐ Misabeled ☐ Fit/Function ☐ Misaligned/off center ☐	Positioned Wrong ☐ Outside Dimensions ☐ Over/Under tolerance ☐ Part Incorrect ☐ Part Lost/Missing ☐ Part Moved ☐ Drawing ☐ Finish ☐ Misread ☐ Turning Sequence ☐
OTHER : _____					

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NOTES:

1 MATERIAL: 7075-T6 ALUMINUM PER AMS-QQ-A-250/12.

2 MATERIAL: 6061-T6 ALUMINUM BAR IAW AMS-QQ-A-250/11.

3 FINISH IAW MPP-172, SECTIONS 2.1, 3.1, & 4.2.

4. DEBURR AND BREAK ALL SHARP EDGES.

5. IDENTIFY IAW MPP-120.

6 P/N 647.1701:
CLAMP F/N 1, 2, & 4; THEN MATE AND MATCH DRILL HOLES FROM F/N 1 & 2 ONTO F/N 3 AS SHOWN ON SHEET 2.

P/N 647.1702:
FOLLOW SAME PROCEDURE FOR P/N 647.1702 USING F/N 9 & 10 IN PLACE OF 1 & 2.

P/N 647.1703:
FOLLOW SAME PROCEDURE FOR P/N 647.1703 USING F/N 11, 12, & 13 IN PLACE OF F/N 1, 2, & 3, RESPECTIVELY.

7 WITH EXCEPTION OF HOLE DIMENSION, ALL DIMENSIONS SAME AS P/N 647.1710 AND P/N 647.1711. RESPECTIVELY.

8 FOR P/N 647.1701 ASSEMBLY.

9 FOR P/N 647.1702 ASSEMBLY.

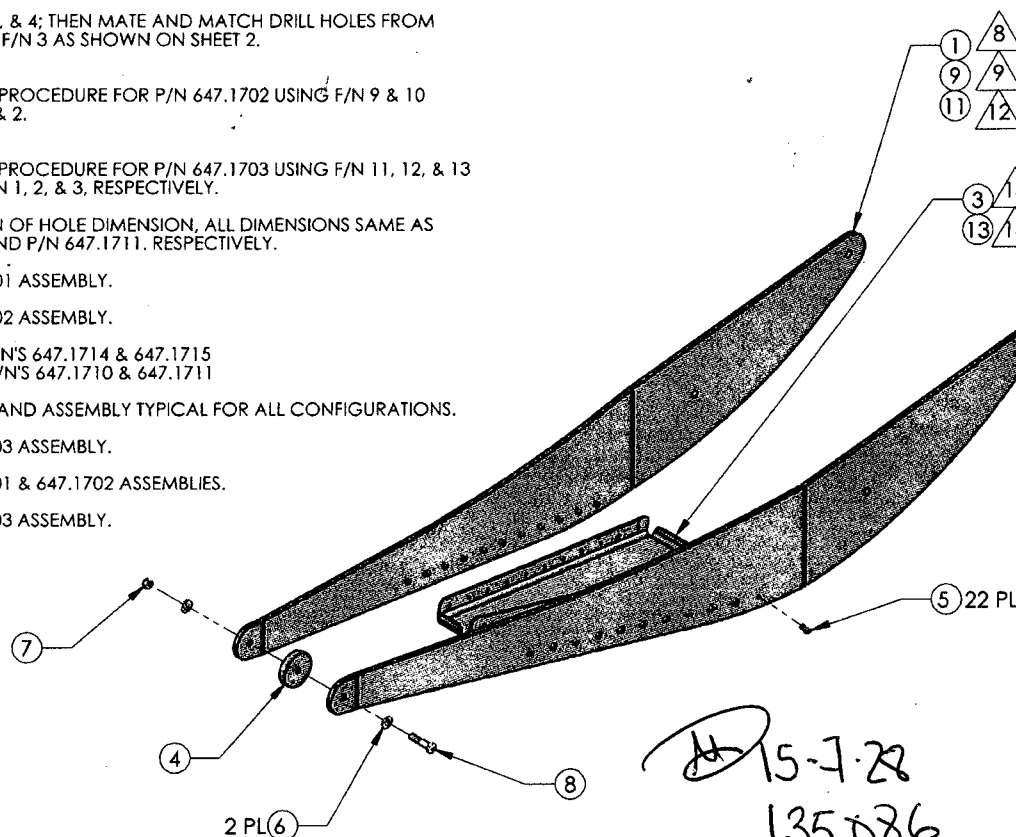
10 .323" DIA FOR P/N'S 647.1714 & 647.1715
.257" DIA FOR P/N'S 647.1710 & 647.1711

11 RIVET SPACING AND ASSEMBLY TYPICAL FOR ALL CONFIGURATIONS.

12 FOR P/N 647.1703 ASSEMBLY.

13 FOR P/N 647.1701 & 647.1702 ASSEMBLIES.

14 FOR P/N 647.1703 ASSEMBLY.

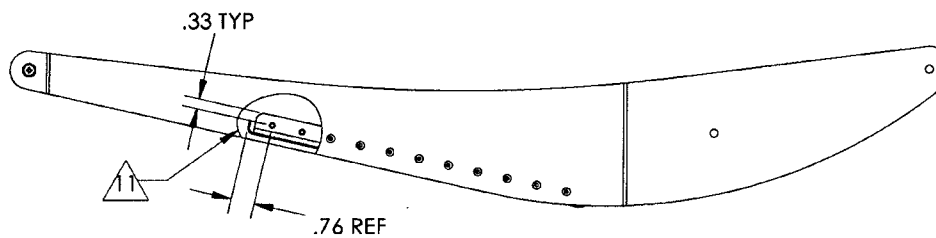
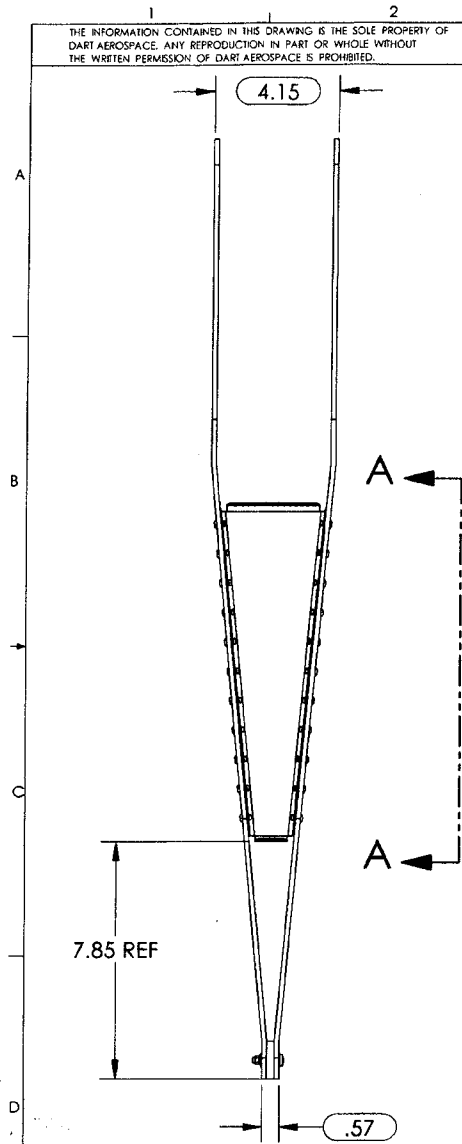


REVISIONS			
REV.	DESCRIPTION	DATE	APPROVED
	LAST PROTOTYPE REVISION: PR2		N/C
N/C	INITIAL RELEASE	08/03/09	P. BRAVO
A	INCORPORATED ECN'S 02937 & 03921	06/07/13	P. BRAVO
B	INCORPORATED ECN 03970	07/03/13	P. BRAVO
C	INCORPORATED ECN 04058	08/14/13	P. BRAVO
D	INCORPORATED ECN'S 04679, 04702 & 04964	05/29/15	P. BRAVO

1		13	647.1718	GUSSET	△	△
1		12	647.1717	PLATE	△	△
1		11	647.1716	PLATE	△	△
	1	10	647.1715	PLATE	△	△
	1	9	647.1714	PLATE	△	△
1	1	8	601.1622	SCREW	MS27039-1-14	
1	1	7	601.2943	LOCKNUT	MS21042-3	
2	2	6	601.1607	WASHER	NAS1149F0332P	
22	22	5	601.1915	RIVET	CR3213-4-4	
1	1	4	647.1713	SPACER	△	△
	1	3	647.1712	GUSSET	△	△
	1	2	647.1711	PLATE	△	△
	1	1	647.1710	PLATE	△	△
X			647.1703	SKID DEFLECTOR ASSY		
	X		647.1702	SKID DEFLECTOR ASSY		
		X	647.1701	SKID DEFLECTOR ASSY		
.1703	.1702	.1701	FIND #	PART #	DESCRIPTION	MAT'L SPEC.

QTY		PARTS LIST	
NEXT ASSY (S)		ORIGINAL DATE	3030 ENTERPRISE CT., SUITE A
647.1300		DRAWN BY	VISTA, CA. 92081
		CHECKED BY	(760) 724-5300
		DRAWING APPROVAL	
		BY	
		CONTRACT NO.	
		UNLESS OTHERWISE SPECIFIED	
		DIMENSIONS ARE IN INCHES	
		TOLERANCES ARE:	
		2 PLACE DECIMALS ±.01	
		3 PLACE DECIMALS ±.005	
		ANGLES ±.5°	
SER	CAGE CODE	DWG. NO.	REV.
8	07M26	647.1700	D
SCALE NONE		SHEET 1 OF 7	

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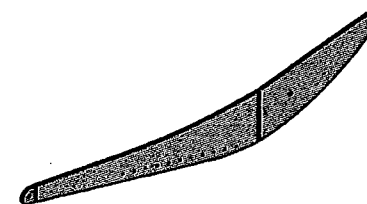
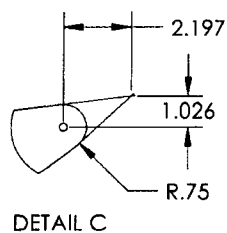
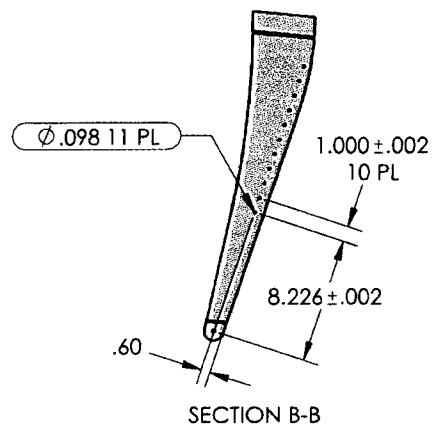
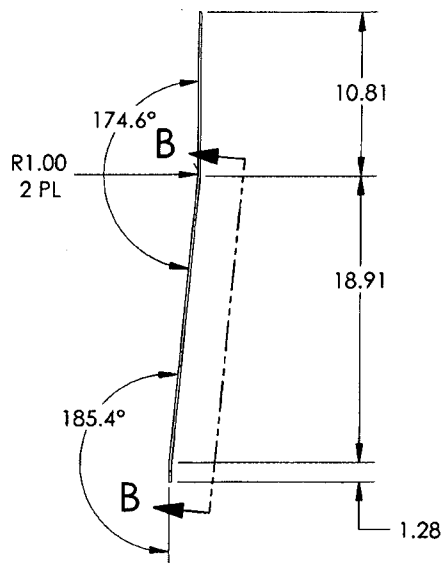
SECTION A-A

ORIGINAL DATE 04/04/91		04/05/99	
DRAWN BY J. GARNER		CHECKED P. BRAVO	
DRAWING APPROVAL P. BRAVO			
CONTRACT NO.			
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE: 2 PLACE DECIMALS ±.01 3 PLACE DECIMALS ±.005 ANGLES ±.5°			
REV	CAGE CODE	DWG. NO.	REV
B	07M26	647.1700	D
SCALE NONE		SHEET 2 OF 7	

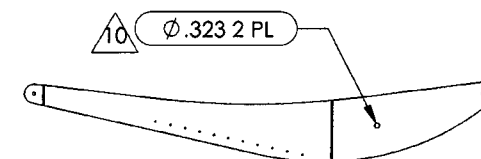
DART AEROSPACE 3030 ENTERPRISE CT., SUITE A
VISTA, CA 92081
(760) 724-5300
AFICAL INDUSTRIES, INC.
dtd DART AEROSPACE

SKID DEFLECTOR ASSY

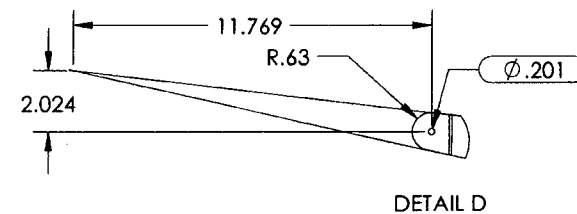
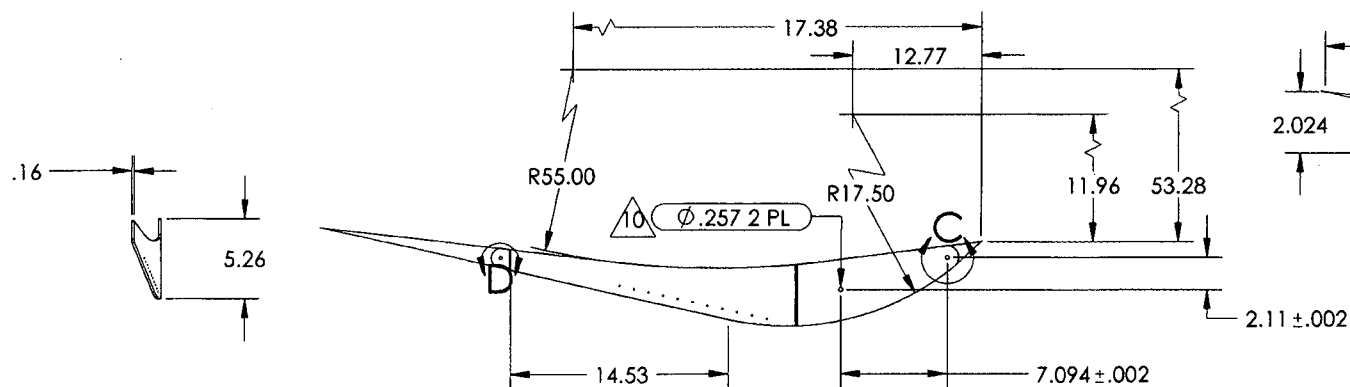
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647.1711 SHOWN
647.1710 OPPOSITE

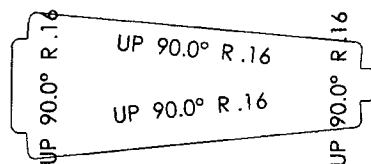
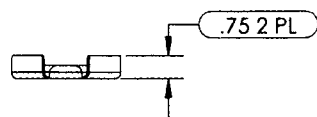
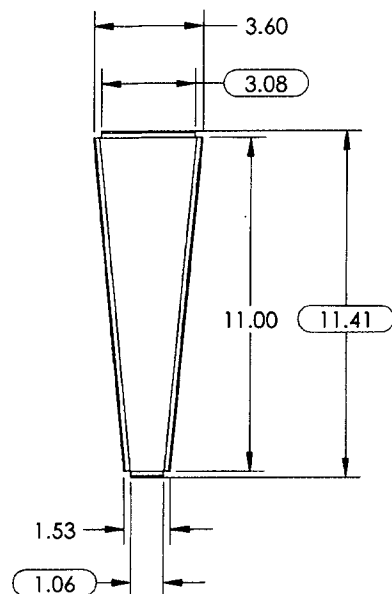


647.1714 SHOWN
647.1715 OPPOSITE 7

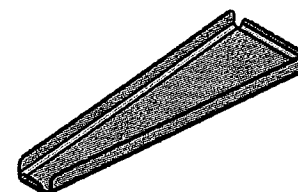
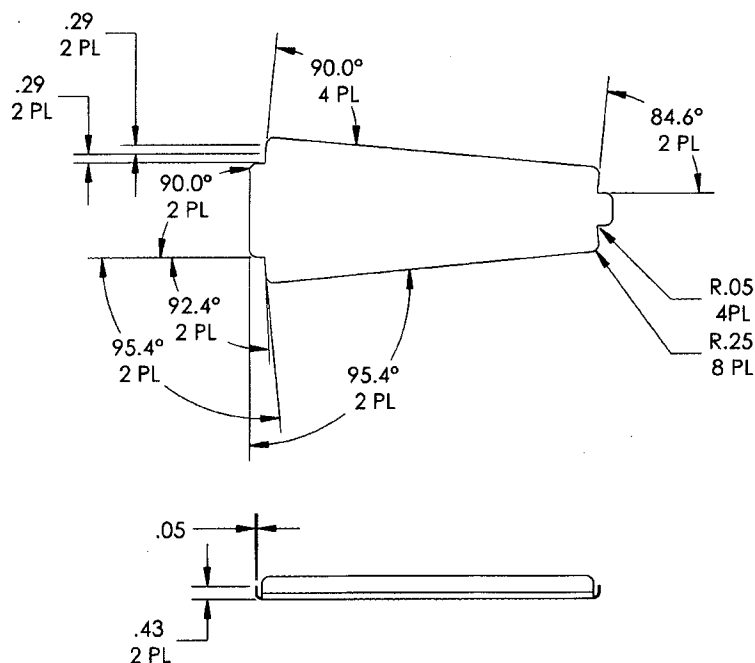


ORIGINAL DATE (MCHDA-YR)		DESIGNER		3030 ENTERPRISE CT., SUITE A	
DRAWN BY		CHECKER		VISTA, CA 92081	
L. GARDNER		P. BRAVO		(760) 691-9108	
DRAWING APPROVAL		P. BRAVO		DART AEROSPACE	
CONTRACT NO.				SKID DEFLECTOR ASSY	
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE: 2 PLACE DECIMALS $\pm .01$ 3 PLACE DECIMALS $\pm .005$ ANGLES $\pm .5^\circ$		SIZE	CAGE CODE	DWG. NO.	REV.
		B	07M16	647.1700	D
		SCALE: NONE			SHEET 3 OF 7

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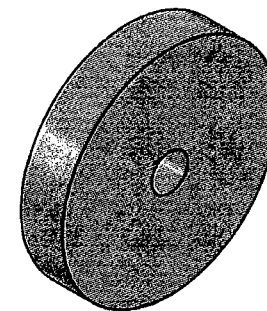
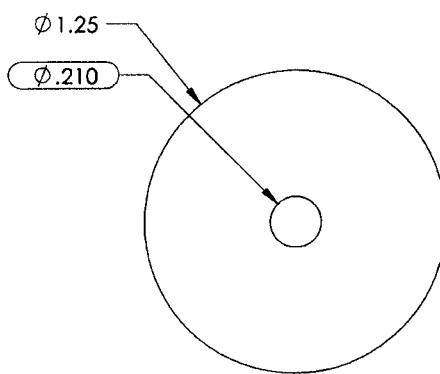
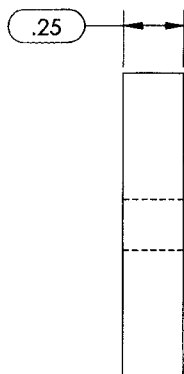
FLAT PATTERN



647.1712

ORIGINAL DATE (MM-DD-YY) 08/05/09		DART 3030 ENTERPRISE CT SUITE A VISTA, CA. 92081 (760)724-5300	
DRAWN BY: CHECKER L. GUARDNER P. BRAVO DRAWING APPROVAL P. BRAVO			
CONTRACT NO.		APICAL INDUSTRIES, INC. also DART AEROSPACE	
SKID DEFLECTOR ASSY			
SIZE	CAGE CODE	DWG. NO.	REV.
B	07M26	647.1700	D
SCALE NONE		SHEET 4 OF 7	

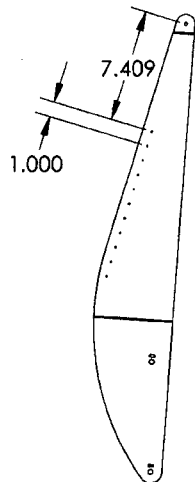
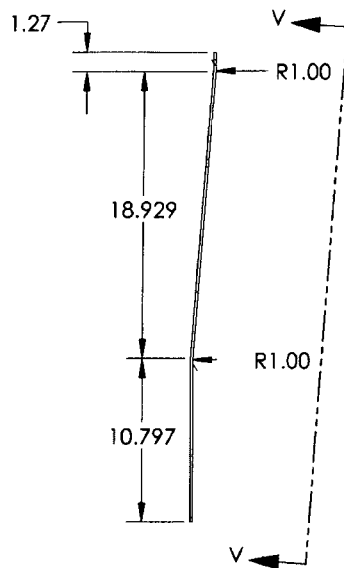
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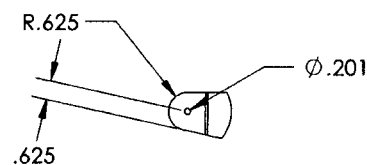
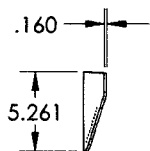
647.1713

ORIGINAL DATE (MM-DD-YY) 08/01/09		DESIGNER J. GARDNER		3030 ENTERPRISE CT. SUITE A VISTA, CA 92081 (760) 724-5300	
DRAWN BY J. GARDNER		P. BRAVO		AEROSPACE	
DRAWING APPROVAL P. BRAVO				APCAL INDUSTRIES INC. dtd DART AEROSPACE	
CONTRACT NO.				SKID DEFLECTOR ASSY	
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE: 2 PLACE DECIMALS ±.01 3 PLACE DECIMALS ±.005 ANGLES ±.5°		SHEET B	CAGE CODE 07M26	DWG. NO. 647.1700	REV. D
SCALE NONE				SHEET 5 OF 7	

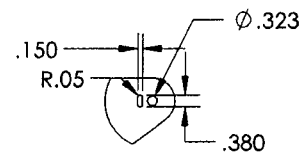
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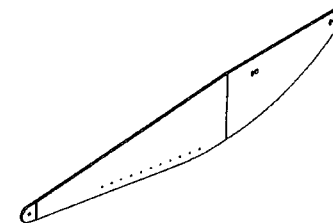
VIEW V-V



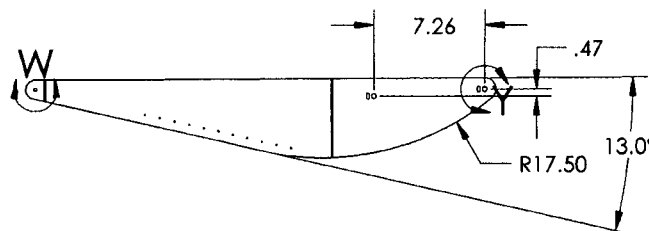
DETAIL W



DETAIL Y
TYP 2 PL

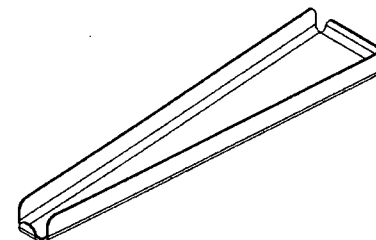
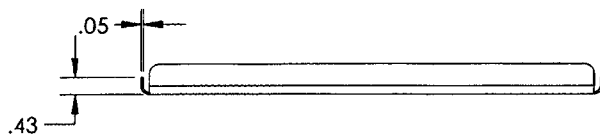
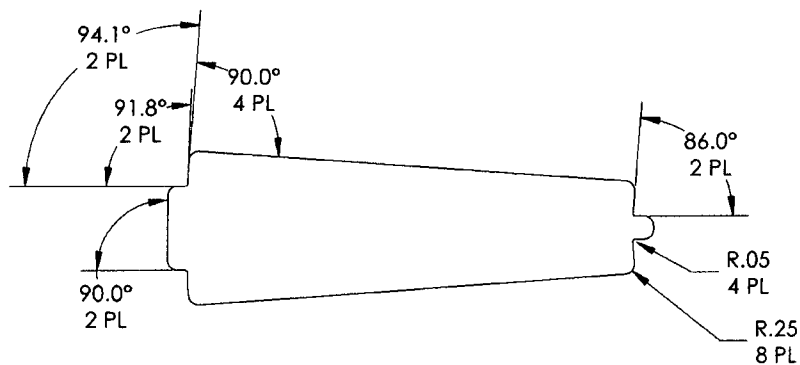
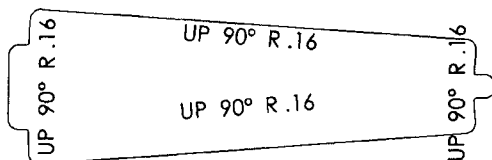
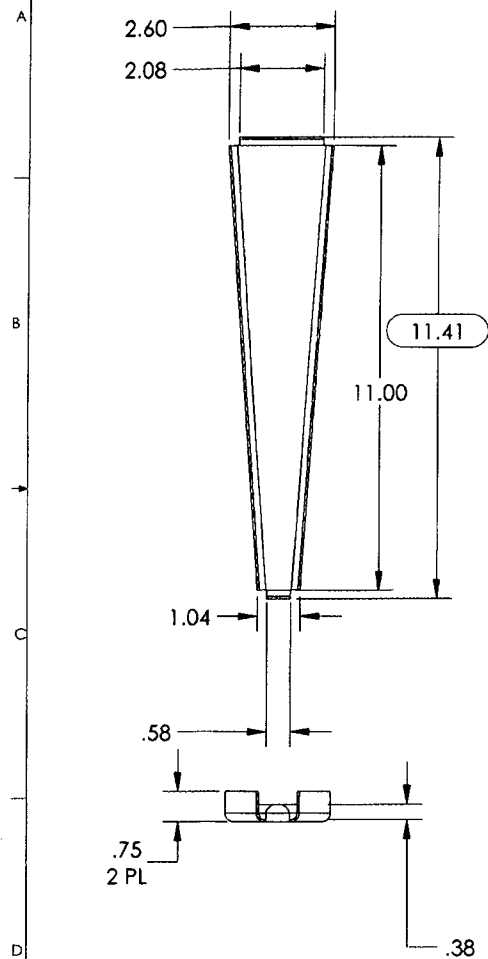


647.1716 SHOWN
647.1717 OPPOSITE



ORIGINAL DATE JMD-DA-781 DB-01-01		3030 ENTERPRISE CT., SUITE A VISTA, CA 91081 (760)724-5300	
DRAWN BY S. HUFF		CHECKED BY P. BRAVO	
DRAWING APPROVAL P. BRAVO		APICAL INDUSTRIES, INC. dba DART AEROSPACE	
CONTRACT NO.		SKID DEFLECTOR ASSY	
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE: 2 PLACE DECIMALS ±.01 3 PLACE DECIMALS ±.005 ANGLES ±.5°		SITE B 07M16	REV. D
SCALE NONE		SHEET 6 OF 7	

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647.1718

ORIGINAL DATE 10-04-18 08-05-09		DRAWN BY S. HUI		CHECKER P. BRAVO	
DRAWING APPROVAL P. BRAVO 08-05-09		CONTRACT NO.			
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE: 2 PLACE DECIMALS ±.01 3 PLACE DECIMALS ±.005 ANGLES ±.5°					
SIZE B		CAGE CODE 07MZ6		DWG. NO. 647.1700	
SCALE NONE		REV. D		SHEET 7 OF 7	

DART AEROSPACE
3030 ENTERPRISE CT., SUITE A
VISTA CA, 92081
(760)724-5300
AFCAL INDUSTRIES, INC.
dtd DART AEROSPACE

SKID DEFLECTOR ASSY